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Patent
Attorney's Docket No. 024705-083

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

HAYASHIZAKI

Application No.: 09/269,573

Filed: July 16, 1999

For: METHODS FOR DETECTING
MUTATION IN BASE SEQUENCE

Group Art Unit: 1655

Examiner: B. Forman

REPLY & AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In complete response to the Official Action mailed March 23, 2001, please amend the above-cited application as follows:

IN THE CLAIMS

Please replace claims 1, 2, 4, 5, 7-9, 11, 15, 18, 23-25, 27, 32, and 33 with the following amended claims.

- Sub 1
1. (Three times Amended) A method for detecting nucleic acid fragment and/or PNA having a mutation, comprising the steps of:
- (A) hybridizing at least one fragment among one or more fragments fixed on a substrate, which fragments are selected from the group consisting of one or more nucleic acid fragments and one or more PNA fragments and have all of a sequence of full-length gene, with at least one fragment of which mutation is to be assayed, wherein said fragment is selected from the group consisting of one or more nucleic acid fragments and one or more PNA fragments;
- (B) binding a labeled protein, said protein specifically binding to a mismatched base pair occurring between the hybridized fragments having a mutation; and

(09/99)